

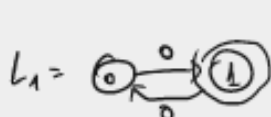
$$\underbrace{1 \xrightarrow{\epsilon} 0}_{\epsilon}$$



$$L_1 = 0^m \quad m/2 = 1$$

$$L_2 = 1^n \quad n/2 = 0$$

$$L = L_1 \circ L_2 \quad \Sigma = \{0, 1\}$$



$$E(q_0) = \{q_0\}$$

$$E(q_1) = \{q_0, q_1\}$$

$$E(q_2) = \{q_2\}$$

$$E(q_3) = \{q_3\}$$

$$\delta(q_0, 0) = E(\delta(E(q_0), 0)) = E(\delta(\{q_0\}, 0)) = E(q_0) = \{q_0, q_1\}$$

$$\delta(q_0, 1) = E(\delta(E(q_0), 1)) = E(\delta(\{q_0, q_1\}, 1)) = E(q_1) = \{q_0, q_1\}$$

$$\delta(q_1, 0) = E(\delta(E(q_1), 0)) = E(\delta(\{q_0, q_1\}, 0)) = E(q_0) = \{q_0, q_1\}$$

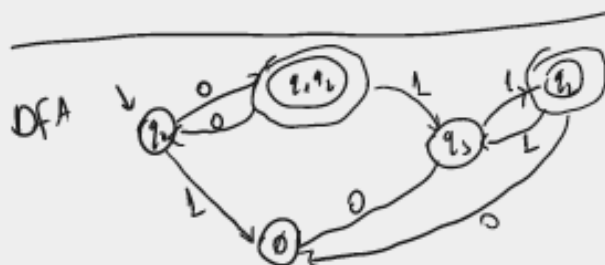
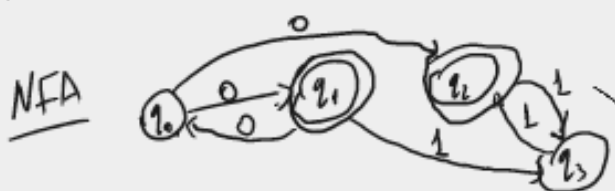
$$\delta(q_1, 1) = E(\delta(E(q_1), 1)) = E(\delta(\{q_0, q_1\}, 1)) = E(q_1) = \{q_0, q_1\}$$

$$\delta(q_2, 0) = \emptyset$$

$$\delta(q_2, 1) = E(\delta(E(q_2), 1)) = E(\delta(\{q_2\}, 1)) = E(q_3) = \{q_3\}$$

$$\delta(q_3, 0) = \emptyset$$

$$\delta(q_3, 1) = \{q_2\}$$



	0	1
$q_0$	$q_0, q_1$	$\emptyset$
$q_1, q_2^*$	$q_0$	$q_3$
$q_3$	$\emptyset$	$q_2^*$
$q_2$	$\emptyset$	$q_3$